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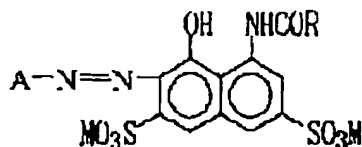
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TITLE : INK FOR INK JET RECORDING AND
RECORDING METHOD



ABSTRACT : PROBLEM TO BE SOLVED: To obtain an ink for ink jet recording which gives a high-quality print without causing mixed-color blur by incorporating a polyvalent metal salt and a water-sol. low-volatility org. solvent into an ink compsn. contg. a magenta dye.

SOLUTION: In this method, two types of ink: magenta ink contg. a polyvalent metal salt and black ink contg. a pigment and a resin emulsion and/or an inorg. oxide colloid, are simultaneously used for printing. The magenta dye is represented by formula I (wherein A is a phenyl or naphthyl group having a sulfone group; R is H, acetyl, $-\text{COC}_6\text{H}_5$, $-\text{COC}_6\text{H}_4\text{CH}_3$; and M is an alkali metal, ammonium, an org. amine group, or an alkyl group) and is added in an amt. of 0.5-25wt.% of the magenta ink. The salt is pref. a nitrate or carboxylate. The solvent is glycerin and/or 2-pyrrolidone and is used in an amt. of 5-40wt.%. The wt. ratio of the sum of the dye and the salt to the solvent is (1:0.5)-(1:4). An example of the resin emulsion is an acrylic resin emulsion.

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